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Amendment no.:	48
Date offered:	H.L.C. 4/13/05
Disposition:	Agreed to by VV

AMENDMENT TO THE COMMITTEE PRINT
OFFERED BY MR. BROWN OF OHIO

In title IX, subtitle G, add at the end the following new section:

1 **SEC. 970A. CARBON-BASED FUEL CELL DEVELOPMENT.**

2 (a) **GRANT AUTHORITY.**—The Secretary of Energy is
3 authorized to make a single grant to a qualified institution
4 to design and fabricate a 5-kilowatt prototype coal-based
5 fuel cell with the following performance objectives:

6 (1) A current density of 600 milliamps per
7 square centimeter at a cell voltage of 0.8 volts.

8 (2) An operating temperature range not to ex-
9 ceed 900 degrees celsius.

10 (b) **QUALIFIED INSTITUTION.**—For the purposes of
11 subsection (a), a qualified institution is a research-inten-
12 sive institution of higher education with demonstrated ex-
13 pertise in the development of carbon-based fuel cells allow-
14 ing the direct use of high sulfur content coal as fuel, and
15 which has produced a laboratory-scale carbon-based fuel
16 cell with a proven current density of 100 milliamps per
17 square centimeter at a voltage of 0.6 volts.

18 (c) **AUTHORIZATION OF APPROPRIATIONS.**—There
19 are authorized to be appropriated to the Secretary of En-



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1 ergy for carrying out this section \$850,000 for fiscal year

2 2006.

